

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0999	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 0999	U	32.37				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.23	0.04	0.39	1.20%		
Trim / Thin Trees	3.34	0.23	4.26	13.16%		
Encroachments	1.03		1.03	3.18%	1.39	0.13
Animal Control	1.26		1.26	3.89%		
Crown Surface / Depressions / Rutting	1.88		1.88	5.81%		
USACE Erosion Survey	0.02	0.34	1.38	4.26%		
<i>LMA Totals:</i>	7.76	0.61	10.20	31.51%	1.39	0.13

Unit No. 01 Yolo Bypass	Overall Unit Rating	Total Unit Miles				
	M	15.43				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Trim / Thin Trees	0.66		0.66	4.28%		
Encroachments	0.53		0.53	3.44%	0.26	
Crown Surface / Depressions / Rutting	1.87		1.87	12.12%		
USACE Erosion Survey	0.02		0.02	0.13%		
<i>Unit Totals:</i>	3.08	0.00	3.08	19.96%	0.26	0.00

Unit No. 02 Miner Slough	Overall Unit Rating	Total Unit Miles				
	M	2.32				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.06		0.06	2.59%		
Trim / Thin Trees	0.27		0.27	11.64%		
Encroachments					0.09	
<i>Unit Totals:</i>	0.33	0.00	0.33	14.22%	0.09	0.00

Unit No. 03 Sutter Slough	Overall Unit Rating	Total Unit Miles				
	U	3.74				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.02		0.02	0.54%		
Trim / Thin Trees	0.29	0.01	0.33	8.82%		
Encroachments					0.01	0.03
Crown Surface / Depressions / Rutting	0.01		0.01	0.27%		
USACE Erosion Survey		0.34	1.36	36.36%		
<i>Unit Totals:</i>	0.32	0.35	1.72	45.99%	0.01	0.03

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Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 04 Sacramento River	Overall Unit Rating	Total Unit Miles				
	U	1.22				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation		0.02	0.08	6.56%		
Trim / Thin Trees	0.32	0.13	0.84	68.85%		
Encroachments					0.41	
<i>Unit Totals:</i>	0.32	0.15	0.92	75.41%	0.41	0.00

Unit No. 05 Elk Slough	Overall Unit Rating	Total Unit Miles				
	U	9.66				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.15	0.02	0.23	2.38%		
Trim / Thin Trees	1.80	0.09	2.16	22.36%		
Encroachments	0.50		0.50	5.18%	0.62	0.10
Animal Control	1.26		1.26	13.04%		
<i>Unit Totals:</i>	3.71	0.11	4.15	42.96%	0.62	0.10

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2009 Levee Inspection Results

Reclamation District No. 0999

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Reclamation District No. 0999

Waterway			Bank	Unit Miles
Unit No. 01 Yolo Bypass			Left	15.43
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/12/2009		10/1/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By			Bob Webber RD 999	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass							Left	15.43	10/07/2009 10/07/2009	Richard Willoughby
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	1.75	1.77	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.480082 ° -121.580930 °	38.479788 ° -121.580918 °	4 Y
2	1.78	1.78	Earthen Levee	Encroachments	LS	M	Garbage Inspector Comments: Material should be removed or spread out along slope.	38.479647 ° -121.580905 °	38.479647 ° -121.580905 °	5 Y
3	1.81	2.07	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.479165 ° -121.580640 °	38.475463 ° -121.580722 °	30
4	1.90	1.96	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.477867 ° -121.580702 °	38.476985 ° -121.580640 °	6
5	2.15	2.15	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.474258 ° -121.580528 °	38.474258 ° -121.580528 °	7
6	2.15	2.15	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.474200 ° -121.580480 °	38.474200 ° -121.580480 °	31
7	2.20	2.21	Earthen Levee	Trim / Thin Trees	WS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.473542 ° -121.580793 °	38.473417 ° -121.580885 °	8
8	2.34	2.34	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	38.471803 ° -121.582002 °	38.471803 ° -121.582002 °	27
9	2.52	2.52	Earthen Levee	Encroachments	WS	C	Garbage	38.469363 ° -121.583063 °	38.469363 ° -121.583063 °	28
10	2.65	5.30	Earthen Levee	Crown Surface / Depressions / Rutting	LS	C	Keep the crown roadway free of vegetation.	38.467450 ° -121.583845 °	38.431340 ° -121.600580 °	915
11	4.15	4.21	Earthen Levee	Encroachments	WS	M	Prunings	38.447017 ° -121.593338 °	38.446288 ° -121.593657 °	9 Y
12	4.17	4.18	Earthen Levee	Encroachments	LS	M	Prunings	38.446787 ° -121.593433 °	38.446653 ° -121.593492 °	10 Y
13	4.24	4.28	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.445842 ° -121.593857 °	38.445268 ° -121.594118 °	11
14	4.57	4.61	Earthen Levee	Encroachments	WS	M	Prunings Inspector Comments: Firewood & Pruning shoulder & slope.	38.441270 ° -121.595962 °	38.440775 ° -121.596188 °	12 Y
15	4.85	4.85	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: tension cracks, slumping	38.437458 ° -121.597728 °	38.437458 ° -121.597728 °	911
16	4.86	4.86	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: tension cracks, slumping	38.437351 ° -121.597781 °	38.437351 ° -121.597781 °	912

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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PO : Partially Obstructing
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N : Not Inspected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Yolo Bypass						Left	15.43	10/07/2009 10/07/2009	Richard Willoughby	
LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
17	5.80	6.41	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	38.424592 ° -121.603692 °	38.416173 ° -121.607604 °	916
18	6.55	6.60	Earthen Levee	Encroachments	LS	M	Prunings	38.414367 ° -121.608430 °	38.413698 ° -121.608762 °	18 Y
19	6.80	7.44	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	38.410919 ° -121.610020 °	38.402178 ° -121.614015 °	917
20	9.02	9.30	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Regrade the crown roadway for proper drainage.	38.380632 ° -121.624165 °	38.376768 ° -121.625850 °	19
21	9.20	9.27	Earthen Levee	Encroachments	LS	PO	Fences	38.378161 ° -121.625181 °	38.377261 ° -121.625619 °	918
22	9.31	9.74	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	38.376669 ° -121.625896 °	38.370762 ° -121.628640 °	919
23	9.77	9.96	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: Fence at landside shoulder	38.370502 ° -121.628975 °	38.367903 ° -121.630017 °	20
24	9.96	10.22	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	38.367831 ° -121.629990 °	38.364238 ° -121.631674 °	920
25	10.83	11.07	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.356077 ° -121.635598 °	38.352640 ° -121.637078 °	23 Y
26	10.87	11.23	Earthen Levee	Encroachments	LS	M	Tree or limb	38.355450 ° -121.635867 °	38.350571 ° -121.638002 °	24 Y
27	11.91	12.23	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.341174 ° -121.642311 °	38.336717 ° -121.643772 °	921 Y
28	12.54	12.86	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.332353 ° -121.644629 °	38.327644 ° -121.644973 °	922
29	13.06	13.60	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.324669 ° -121.644957 °	38.316875 ° -121.644942 °	923 Y
30	15.32	15.32	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.291987 ° -121.644961 °	38.291987 ° -121.644961 °	924

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	1.75
End Levee Mile	1.77
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking east at overgrown trees on waterside slope and shoulder

richard_20091012_73.jpg



Levee Mile Report Line	1
Start Levee Mile	1.75
End Levee Mile	1.77
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking west at overgrown trees on waterside slope and toe.

richard_20091012_74.jpg



Levee Mile Report Line	2
Start Levee Mile	1.78
End Levee Mile	1.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Material pile on landside shoulder at LM 1.78

richard_20091001_17.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	2
Start Levee Mile	1.78
End Levee Mile	1.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking north at garbage pile on landside shoulder.

richard_20091012_72.jpg



Levee Mile Report Line	11
Start Levee Mile	4.15
End Levee Mile	4.21
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Pruning pile on waterside shoulder.

richard_20091001_18.jpg



Levee Mile Report Line	12
Start Levee Mile	4.17
End Levee Mile	4.18
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Prunings on waterside shoulder, slope & toe.

richard_20091001_19.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	14
Start Levee Mile	4.57
End Levee Mile	4.61
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Pruning & Firewood pile along waterside shoulder and slope at LM 1.56

richard_20091001_20.jpg



Levee Mile Report Line	14
Start Levee Mile	4.57
End Levee Mile	4.61
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Prunings on waterside slope.

richard_20091001_21.jpg



Levee Mile Report Line	18
Start Levee Mile	6.55
End Levee Mile	6.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Prunings along landside shoulder.

richard_20091001_22.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	25
Start Levee Mile	10.83
End Levee Mile	11.07
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Pine trees along waterside shoulder & slope. (Site of a old christmas tree farm).	
richard_20091001_23.jpg	



Levee Mile Report Line	26
Start Levee Mile	10.87
End Levee Mile	11.23
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Tree limbs along landside slope & toe.	
richard_20091001_24.jpg	



Levee Mile Report Line	27
Start Levee Mile	11.91
End Levee Mile	12.23
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Vehicle ruts along crown road way.	
richard_20091001_27.jpg	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Left	15.43	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	29
Start Levee Mile	13.06
End Levee Mile	13.60
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Deep (7" deep) rutting along crown roadway.	
richard_20091001_28.jpg	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Reclamation District No. 0999

Waterway			Bank	Unit Miles
Unit No. 02 Miner Slough			Right	2.32
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/12/2009		10/1/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough						Right	2.32	10/07/2009 10/07/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.03	0.06	Earthen Levee	Encroachments	WS	PO	Landscaping	38.290382 ° -121.644335 °	38.290502 ° -121.643745 °	1
2	0.17	0.23	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.290821 ° -121.641831 °	38.290779 ° -121.640672 °	19
3	0.24	0.24	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.290727 ° -121.640389 °	38.290727 ° -121.640389 °	20
4	0.53	0.53	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.291445 ° -121.635386 °	38.291445 ° -121.635386 °	12
5	0.76	0.76	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.292623 ° -121.631762 °	38.292623 ° -121.631762 °	21
6	0.86	0.95	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.292221 ° -121.629949 °	38.291557 ° -121.628416 °	13
7	0.93	0.96	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.291577 ° -121.628803 °	38.291372 ° -121.628273 °	22
8	1.66	1.72	Earthen Levee	Encroachments	LS	PO	Landscaping	38.290331 ° -121.615679 °	38.289865 ° -121.614742 °	15
9	1.72	1.74	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.289927 ° -121.614735 °	38.289740 ° -121.614497 °	7
10	1.72	1.75	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	38.289895 ° -121.614688 °	38.289595 ° -121.614337 °	8
11	1.73	1.73	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.289755 ° -121.614653 °	38.289755 ° -121.614653 °	23 Y
12	1.77	1.80	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	38.289388 ° -121.614093 °	38.289057 ° -121.613660 °	9
13	2.05	2.07	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.288795 ° -121.609295 °	38.288737 ° -121.608835 °	24
14	2.05	2.05	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.288852 ° -121.609203 °	38.288852 ° -121.609203 °	16

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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PO : Partially Obstructing
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Miner Slough	Right	2.32	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	11
Start Levee Mile	1.73
End Levee Mile	1.73
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Front view of overgrown fig tree on landside shoulder.

richard_20091001_29.jpg



Levee Mile Report Line	11
Start Levee Mile	1.73
End Levee Mile	1.73
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Side view of overgrown fig tree along landside shoulder.

richard_20091001_30.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
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U : Unacceptable N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2009 Levee Inspection Results
Reclamation District No. 0999**

Waterway			Bank	Unit Miles
Unit No. 03 Sutter Slough			Right	3.74
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/12/2009		10/1/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

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DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 03 Sutter Slough						Right	3.74	10/07/2009 10/07/2009	Richard Willoughby	
LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.03	0.04	Earthen Levee	Trim / Thin Trees	LS	U	Trim trees to at least five feet above ground level.	38.287145 ° -121.605572 °	38.287267 ° -121.605478 °	4 Y
2	0.04	0.05	Earthen Levee	Encroachments	LS	PO	Landscaping	38.287267 ° -121.605477 °	38.287395 ° -121.605378 °	5
3	0.30	0.63	Supplemental	USACE Erosion Survey	WS	U	Inspector Comments: tree hazards, slumping	38.295515 ° -121.605587 °	38.290886 ° -121.604351 °	968
4	0.44	0.44	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	38.292748 ° -121.604972 °	38.292748 ° -121.604972 °	7 Y
5	0.64	0.64	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	38.295618 ° -121.605923 °	38.295618 ° -121.605923 °	8 Y
6	0.69	0.69	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	38.296232 ° -121.605822 °	38.296232 ° -121.605822 °	970
7	0.72	0.72	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.296716 ° -121.605700 °	38.296716 ° -121.605700 °	23
8	0.96	0.96	Supplemental	USACE Erosion Survey	WS	U	Inspector Comments: tree hazards, slumping	° °	° °	969
9	1.49	1.58	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.306025 ° -121.599565 °	38.306854 ° -121.598449 °	25
10	2.03	2.03	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.311899 ° -121.596332 °	38.311899 ° -121.596332 °	13
11	2.70	2.72	Earthen Levee	Encroachments	LS	CO	Landscaping	38.320105 ° -121.590765 °	38.320340 ° -121.590730 °	16
12	2.87	2.88	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.322170 ° -121.590948 °	38.322595 ° -121.590837 °	17
13	2.90	2.96	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.322765 ° -121.590775 °	38.323472 ° -121.590072 °	18
14	3.02	3.14	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.323762 ° -121.589173 °	38.324410 ° -121.587055 °	19
15	3.72	3.73	Earthen Levee	Encroachments	LS	CO	Landscaping	38.332045 ° -121.584835 °	38.332200 ° -121.584677 °	22

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.03
End Levee Mile	0.04
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Front view of overgrown trees on landside slope and toe.	
richard_20091001_61.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.03
End Levee Mile	0.04
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Side view of overgrown trees on landside slope and toe.	
richard_20091001_62.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.44
End Levee Mile	0.44
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Elderberries blocking view of waterside slope.	
richard_20091001_63.jpg	

*** Location**

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WS : Water Side
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Right	3.74	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	5
Start Levee Mile	0.64
End Levee Mile	0.64
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Elderberries blocking view of landside toe.

richard_20091001_64.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Reclamation District No. 0999

Waterway			Bank	Unit Miles
Unit No. 04 Sacramento River			Right	1.22
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/30/2009		10/1/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

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DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River						Right	1.22	10/08/2009 10/08/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.01	0.05	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.414198 ° -121.523082 °	38.414703 ° -121.523477 °	15
2	0.04	0.04	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	38.414568 ° -121.523437 °	38.414568 ° -121.523437 °	14
3	0.05	0.11	Earthen Levee	Encroachments	LS	PO	Fences	38.414672 ° -121.523527 °	38.415468 ° -121.524037 °	13 Y
4	0.19	0.28	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.416518 ° -121.524502 °	38.417657 ° -121.525372 °	24
5	0.31	0.35	Earthen Levee	Encroachments	LS	PO	Landscaping	38.418002 ° -121.525712 °	38.418470 ° -121.526002 °	12
6	0.37	0.48	Earthen Levee	Encroachments	LS	PO	Landscaping	38.418838 ° -121.526225 °	38.420237 ° -121.527193 °	11
7	0.37	0.50	Earthen Levee	Trim / Thin Trees	LS	U	Trim trees to at least five feet above ground level.	38.418838 ° -121.526225 °	38.420447 ° -121.527380 °	10
8	0.67	0.69	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.422517 ° -121.528858 °	38.422842 ° -121.529107 °	7
9	0.71	0.91	Earthen Levee	Encroachments	LS	PO	Fences	38.423035 ° -121.529253 °	38.425645 ° -121.531083 °	5
10	0.71	0.87	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.423035 ° -121.529255 °	38.425140 ° -121.530742 °	6
11	0.99	1.01	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes.	38.426682 ° -121.531738 °	38.426910 ° -121.531858 °	3
12	1.02	1.02	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.427088 ° -121.531962 °	38.427088 ° -121.531962 °	2

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sacramento River	Right	1.22	10/08/2009 10/08/2009	Richard Willoughby

Levee Mile Report Line	3
Start Levee Mile	0.05
End Levee Mile	0.11
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Cyclone fence along landside shoulder at LM 0.05 -0.11	
richard_20091001_37.jpg	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2009 Levee Inspection Results
Reclamation District No. 0999**

Waterway			Bank	Unit Miles
Unit No. 05 Elk Slough			Right	9.66
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/30/2009		12/16/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

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Signature of LMA Representative

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 05 Elk Slough						Right	9.66	10/07/2009 10/07/2009	Richard Willoughby	
LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.19	0.22	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.334960 ° -121.584047 °	38.335428 ° -121.583845 °	3 Y
2	0.20	0.20	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.335162 ° -121.583978 °	38.335162 ° -121.583978 °	109
3	0.53	0.53	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.339545 ° -121.582033 °	38.339545 ° -121.582033 °	6
4	0.57	0.64	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	38.340070 ° -121.581980 °	38.341058 ° -121.581615 °	7
5	0.69	0.69	Earthen Levee	Encroachments	WS	C	Tree or limb	38.341712 ° -121.581435 °	38.341712 ° -121.581435 °	8
6	0.72	0.74	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.342180 ° -121.581230 °	38.342537 ° -121.581263 °	9 Y
7	0.78	0.94	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.343058 ° -121.581263 °	38.345210 ° -121.580713 °	10
8	0.84	0.94	Earthen Levee	Encroachments	LS	PO	Landscaping	38.343825 ° -121.581133 °	38.345215 ° -121.580728 °	11 Y
9	0.95	0.98	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.345383 ° -121.580663 °	38.345750 ° -121.580473 °	12
10	0.95	1.09	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	38.345402 ° -121.580655 °	38.347133 ° -121.579573 °	13
11	1.11	1.15	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.347427 ° -121.579395 °	38.347863 ° -121.579113 °	14
12	1.20	1.24	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.348237 ° -121.578440 °	38.348328 ° -121.577735 °	15
13	1.24	1.27	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: Fence is located on Landside shoulder	38.348336 ° -121.577621 °	38.348332 ° -121.577172 °	76
14	1.51	1.88	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.348670 ° -121.573320 °	38.353852 ° -121.573570 °	18 Y
15	1.54	1.57	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	38.349152 ° -121.573493 °	38.349582 ° -121.573538 °	19
16	1.59	1.65	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.349835 ° -121.573643 °	38.350717 ° -121.573887 °	20
17	1.74	1.74	Earthen Levee	Vegetation	LS	U	Elderberries are blocking visibility and flood fight capability.	38.351966 ° -121.574079 °	38.351966 ° -121.574079 °	77

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 05 Elk Slough						Right	9.66	10/07/2009 10/07/2009	Richard Willoughby	
LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
18	1.75	1.81	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	38.352088 ° -121.574052 °	38.352968 ° -121.574008 °	21
19	1.79	1.79	Earthen Levee	Vegetation	WS	U	Elderberries are blocking visibility and flood fight capability.	38.352627 ° -121.574107 °	38.352627 ° -121.574107 °	78
20	1.97	1.97	Earthen Levee	Encroachments	WS	M	Material Inspector Comments: Concrete rubble should be removed or broken up and spread out at waterward toe.	38.354888 ° -121.572540 °	38.354888 ° -121.572540 °	22 Y
21	2.06	2.06	Earthen Levee	Encroachments	WS	M	Material	38.355531 ° -121.571374 °	38.355531 ° -121.571374 °	80
22	2.12	2.14	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.355640 ° -121.570208 °	38.355630 ° -121.569977 °	23
23	2.20	2.22	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.355402 ° -121.568893 °	38.355282 ° -121.568547 °	24
24	2.65	2.70	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.357371 ° -121.562500 °	38.358132 ° -121.562347 °	82
25	2.93	3.19	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.361268 ° -121.563263 °	38.364373 ° -121.561947 °	29
26	3.04	3.10	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.362813 ° -121.563332 °	38.363558 ° -121.563017 °	30
27	3.19	3.24	Earthen Levee	Encroachments	LS	PO	Landscaping	38.364392 ° -121.561882 °	38.364597 ° -121.561087 °	31 Y
28	3.24	3.31	Earthen Levee	Encroachments	WS	M	Prunings	38.364585 ° -121.561047 °	38.364503 ° -121.559880 °	32
29	3.29	3.45	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	38.364632 ° -121.560202 °	38.363898 ° -121.557367 °	112
30	3.29	3.37	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.364552 ° -121.560137 °	38.364225 ° -121.558852 °	33
31	3.41	3.64	Earthen Levee	Encroachments	WS	M	Tree or limb	38.364050 ° -121.558150 °	38.366028 ° -121.556843 °	34
32	3.44	3.47	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	38.363923 ° -121.557608 °	38.363822 ° -121.557108 °	35
33	3.62	3.72	Earthen Levee	Encroachments	LS	PO	Fences	38.365711 ° -121.556714 °	38.367107 ° -121.556745 °	83
34	3.75	3.82	Earthen Levee	Encroachments	WS	M	Tree or limb	38.367482 ° -121.556542 °	38.367977 ° -121.555443 °	37

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough							Right	9.66	10/07/2009 10/07/2009	Richard Willoughby
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
35	3.75	3.83	Earthen Levee	Encroachments	WS	PO	Fences	38.367500 ° -121.556478 °	38.367997 ° -121.555348 °	85
36	3.79	3.95	Earthen Levee	Encroachments	LS	PO	Fences	38.367644 ° -121.556012 °	38.368288 ° -121.553118 °	84
37	3.94	3.98	Earthen Levee	Encroachments	WS	M	Tree or limb	38.368260 ° -121.553313 °	38.368462 ° -121.552620 °	38
38	3.96	3.96	Earthen Levee	Encroachments	LS	M	Garbage	38.368318 ° -121.552938 °	38.368318 ° -121.552938 °	39 Y
39	4.05	4.14	Earthen Levee	Trim / Thin Trees	WS	U	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.369440 ° -121.552747 °	38.370543 ° -121.553402 °	41
40	4.31	4.32	Earthen Levee	Encroachments	WS	C	Prunings	38.372615 ° -121.552398 °	38.372852 ° -121.552267 °	43
41	4.38	4.41	Earthen Levee	Encroachments	LS	CO	Landscaping	38.373625 ° -121.551787 °	38.373907 ° -121.551607 °	44 Y
42	4.43	4.47	Earthen Levee	Trim / Thin Trees	WS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.374160 ° -121.551408 °	38.374683 ° -121.550827 °	45
43	4.51	4.53	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.374945 ° -121.550287 °	38.375020 ° -121.549945 °	46
44	4.55	4.68	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.375072 ° -121.549547 °	38.375188 ° -121.547203 °	47
45	4.56	4.56	Earthen Levee	Encroachments	WS	M	Landscaping	38.375012 ° -121.549357 °	38.375012 ° -121.549357 °	113
46	4.60	4.66	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.375050 ° -121.548717 °	38.375077 ° -121.547512 °	49
47	4.71	4.74	Earthen Levee	Encroachments	WS	M	Prunings	38.375330 ° -121.546613 °	38.375417 ° -121.546143 °	50 Y
48	4.72	4.72	Earthen Levee	Encroachments	LS	M	Prunings	38.375373 ° -121.546422 °	38.375373 ° -121.546422 °	51 Y
49	4.75	4.82	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.375418 ° -121.546043 °	38.375989 ° -121.544934 °	52
50	4.89	4.89	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.376717 ° -121.544017 °	38.376717 ° -121.544017 °	54
51	5.04	5.04	Earthen Levee	Encroachments	LS	C	Garbage	38.378147 ° -121.542117 °	38.378147 ° -121.542117 °	114

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough					Right	9.66	10/07/2009 10/07/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
52	5.32	5.54	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Add appropriate gravel or road base. Grade and compact.	38.380940 ° -121.542820 °	38.382166 ° -121.546293 °	90
53	5.95	5.95	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	38.384867 ° -121.541845 °	38.384867 ° -121.541845 °	59
54	6.17	6.17	Earthen Levee	Encroachments	LS	C	Prunings	38.387482 ° -121.542001 °	38.387482 ° -121.542001 °	91
55	6.20	6.34	Earthen Levee	Trim / Thin Trees	LS	M	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.387825 ° -121.542335 °	38.389775 ° -121.542687 °	60
56	6.58	6.58	Earthen Levee	Encroachments	LS	M	Prunings	38.391776 ° -121.539295 °	38.391776 ° -121.539295 °	92
57	6.78	6.81	Earthen Levee	Encroachments	LS	CO	Landscaping	38.394491 ° -121.539427 °	38.394991 ° -121.539333 °	93
58	6.83	6.83	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: Firewood on landside shoulder	38.395234 ° -121.539323 °	38.395234 ° -121.539323 °	96 Y
59	7.24	7.24	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	38.399503 ° -121.536375 °	38.399503 ° -121.536375 °	63
60	7.44	7.57	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	38.401882 ° -121.538397 °	38.403418 ° -121.539780 °	64
61	7.65	7.69	Earthen Levee	Encroachments	LS	CO	Landscaping	38.403895 ° -121.541113 °	38.404145 ° -121.541835 °	66 Y
62	7.66	7.68	Earthen Levee	Encroachments	WS	PO	Fences	38.403808 ° -121.541354 °	38.403976 ° -121.541661 °	99
63	8.40	8.42	Earthen Levee	Encroachments	WS	C	Prunings	38.409619 ° -121.537781 °	38.409573 ° -121.537577 °	100
64	8.45	9.61	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.409445 ° -121.536980 °	38.413717 ° -121.523813 °	69
65	8.51	8.51	Earthen Levee	Encroachments	WS	C	Prunings	38.408962 ° -121.535947 °	38.408962 ° -121.535947 °	70
66	8.57	8.61	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: Fence installed without CVFPB permit in 2008. Fence extend from landside toe to landside shoulder.	38.408586 ° -121.534992 °	38.408748 ° -121.534437 °	101 Y
67	8.66	8.66	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees over roadway to at least 12 feet above ground level.	38.409116 ° -121.533738 °	38.409116 ° -121.533738 °	102
68	8.72	8.72	Earthen Levee	Encroachments	CR	PO	Fences	38.409928 ° -121.533041 °	38.409928 ° -121.533041 °	103 Y

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough						Right	9.66	10/07/2009 10/07/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
69	8.78	8.78	Earthen Levee	Encroachments	CR	PO	Fences	38.410344 ° -121.532074 °	38.410344 ° -121.532074 °	104 Y
70	8.81	8.81	Earthen Levee	Encroachments	WS	C	Prunings	38.410560 ° -121.531675 °	38.410560 ° -121.531675 °	106
71	8.81	8.81	Earthen Levee	Encroachments	CR	PO	Fences	38.410528 ° -121.531611 °	38.410528 ° -121.531611 °	105 Y
72	8.92	8.92	Earthen Levee	Encroachments	WS	C	Firewood	38.411720 ° -121.530242 °	38.411720 ° -121.530242 °	115
73	8.92	8.92	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees over roadway to at least 12 feet above ground level.	38.411594 ° -121.530147 °	38.411594 ° -121.530147 °	108
74	8.92	8.92	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees over roadway to at least 12 feet above ground level.	38.411611 ° -121.530084 °	38.411611 ° -121.530084 °	107

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.19
End Levee Mile	0.22
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Dense wild roses at landside toe (side view)

richard_20091216_143.jpg



Levee Mile Report Line	1
Start Levee Mile	0.19
End Levee Mile	0.22
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Front view of dense wild roses at landside toe.

richard_20091216_144.jpg



Levee Mile Report Line	6
Start Levee Mile	0.72
End Levee Mile	0.74
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Front view of dense trees at landside shoulder.

richard_20091216_145.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	8
Start Levee Mile	0.84
End Levee Mile	0.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of landscaping (Ivy) blocking view of landside slope from LM 0.84 to 0.94	
richard_20091216_146.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.84
End Levee Mile	0.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of landscaping (Ivy) looking upstream from LM 0.84 to 0.94	
richard_20091216_147.jpg	



Levee Mile Report Line	14
Start Levee Mile	1.51
End Levee Mile	1.88
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Front view of dense trees along waterside slope.	
richard_20091216_148.jpg	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	14
Start Levee Mile	1.51
End Levee Mile	1.88
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Side view of dense trees along waterside slope.

richard_20091216_149.jpg



Levee Mile Report Line	20
Start Levee Mile	1.97
End Levee Mile	1.97
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Concrete rubble on waterside sholder at LM 1.97

richard_20091216_150.jpg



Levee Mile Report Line	27
Start Levee Mile	3.19
End Levee Mile	3.24
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking downstream of landscaping blocking view of landside slope from LM 3.19 to 3.24

richard_20091216_151.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	38
Start Levee Mile	3.96
End Levee Mile	3.96
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Garbage piles on landside toe at LM 3.96

richard_20091216_152.jpg



Levee Mile Report Line	41
Start Levee Mile	4.38
End Levee Mile	4.41
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Overgrown landscaping on landside slope blocking view of slope from LM 4.38 to 4.41

richard_20091216_154.jpg



Levee Mile Report Line	47
Start Levee Mile	4.71
End Levee Mile	4.74
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Pruning and firewood along landside and waterside shoulder.

richard_20091216_155.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	48
Start Levee Mile	4.72
End Levee Mile	4.72
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Prunings and firewood on landside shoulder at LM 4.72

richard_20091216_156.jpg



Levee Mile Report Line	58
Start Levee Mile	6.83
End Levee Mile	6.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fence and Firework at landside shoulder.

richard_20091216_159.jpg



Levee Mile Report Line	61
Start Levee Mile	7.65
End Levee Mile	7.69
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Landscaping on landside slope blocking view of slope from LM 7.65 to 7.72

richard_20091216_157.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	66
Start Levee Mile	8.57
End Levee Mile	8.61
Location	Land Side
Category	Earthen Levee
Item	Encroachments
New installed unauthorized fence at landside slope and shoulder.	
richard_20091216_160.jpg	



Levee Mile Report Line	68
Start Levee Mile	8.72
End Levee Mile	8.72
Location	Crown
Category	Earthen Levee
Item	Encroachments
New unauthorized fence that extend from landside toe to waterside toe.	
richard_20091216_161.jpg	



Levee Mile Report Line	68
Start Levee Mile	8.72
End Levee Mile	8.72
Location	Crown
Category	Earthen Levee
Item	Encroachments
View of fence & gate across levee crown, landside & waterside slope.	
richard_20091216_162.jpg	

*** Location**

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WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 0999

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elk Slough	Right	9.66	10/07/2009 10/07/2009	Richard Willoughby

Levee Mile Report Line	69
Start Levee Mile	8.78
End Levee Mile	8.78
Location	Crown
Category	Earthen Levee
Item	Encroachments
New unauthorized fence and gate that extend from landside toe across levee crown to waterside toe.	
richard_20091216_163.jpg	



Levee Mile Report Line	71
Start Levee Mile	8.81
End Levee Mile	8.81
Location	Crown
Category	Earthen Levee
Item	Encroachments
New unauthorized fence and gate that extend from landside toe across levee crown to waterside toe.	
richard_20091216_164.jpg	

*** Location**

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